ECS Configuration Change Request

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1. Originator Darryl M. Washington	2. Log Date: 3/13/02	3. CCR #: 02-0213	4. Rev: -	5. Tel: 0734	6. Rm #: 2079	7. Dept. SE

8. CCR Title: install/configure Network Time Protocol v4

9. Originator Signature/Date /s/ Daryl Washington 3/14/02	10. Class II	11. Type: CCR	12. Need Date: 03/14/2002

13. Office Manager Signature/Date /s/ Carolyn Whitaker 3/14/02	14. Category of Change: PSR	15. Priority: (If "Emergency" fill in Block 27). Routine

16. Documentation/Drawings Impacted: 910-TDA-003 910-TDA-023 920-TDG-002 920-TDE-002 920-TDL-002 920-TDN-002 920-TDV-002 920-TDP-002 920-TDS-	17. Schedule Impact: NONE	18. CI(s) Affected:

19. Release Affected by this Change: 6A	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☒Other:

23. Problem: (use additional Sheets if necessary)
Network Time Protocol v4 (NTPv4) is the post -DCE replacement Time Service for 6A.05. NTP is not bundle with the OS and must be downloaded as freeware, and compiled for SUN Solaris 2.5.1 and IRIX 6.5 OS. NTP does not run on the same network as DCE DTS. DTS must be disabled for NTP to operate successfully.

24. Proposed Solution: (use additional sheets if necessary)
Disable DCE DTS on all DCE clients and servers. Install NTPv4 on all platforms (SUN&SGI). Provide installation instruction s for disabling DCE DTS and install/configure NTPv4. This must be done on all ECS machines

25. Alternate Solution: (use additional sheets if necessary)

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☒EDF ☒PVC ☒VATC ☒EDC ☒ GSFC ☒LaRC ☒NSIDC ☒SMC ☐AK ☐JPL
☐EOC ☒ IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): /s/ Byron Peters 3/15/02	Disposition: **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

33. M&O CCB Chair (Sign/Date): /s/ G. G. Gavigan 3/15/02	Disposition: **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 02-0213   **Rev: - Originator:** Darryl M.Washington

Telephone: 0734   **Office:** 2079

Title of Change: Install/configure Network Time Protocol v4

The delivery of ECS Custom Code Version 6A.05 features the use of RPC (Remote Procedure Call) Sockets implementation. This eliminates the need for DCE applications within the custom code. Thus, the project proposes to remove the DCE application from all DAACs, once the 6A.05 code is fully implemented. The DCE removal will be accomplished by a Technical Directive to be delivered at a later date. NTP will replace Distributed Time Services (DTS), which is a service of DCE. As a prerequisite, DCE DTS (dtsd) must be disabled before NTP is turned on. NTP is not compatible with DCE DTS. Complications may occur when trying to run DCE DTS and NTP on the same network. NTP will not function correctly on SGI machines that are running "timed" or "timeslave". These daemons must be disabled on systems designated as NTP clients.